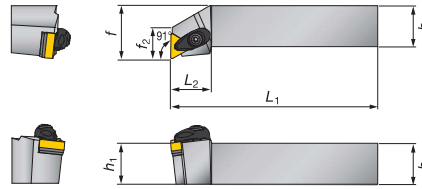
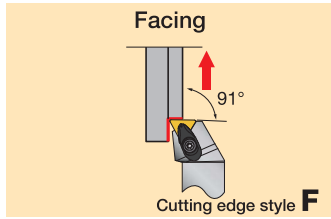


ATFNR/L

Applicable inserts
TN□□33/43

Negative rake
Double clamping system



Right hand (R) shown.

Inch Holder	Stock		Dimensions (in)							Std. Corner r _ε	Applicable inserts
	R	L	h	b	L ₁	L ₂	h ₁	f	f ₂		
ATFNR/L123-A	●	●	.750	.750	4.500	1.000	.750	1.000	.718	.032	TN□□33□□
ATFNR/L163-A	●	●	1.000	1.000	6.000	1.000	1.00	1.250	.750	.032	

Metric Holder	Stock		Dimensions (mm)							Std. Corner r _ε	Applicable inserts
	R	L	h	b	L ₁	L ₂	h ₁	f	f ₂		
ATFNR/L2020K16-A	○	○	20	20	125	25	20	25	18	0.8	TN□□33□□
ATFNR/L2525M16-A	○	○	25	25	150	25	25	32	19		
ATFNR/L2525M22-A	○	○	25	25	150	29	25	32	23		TN□□43□□

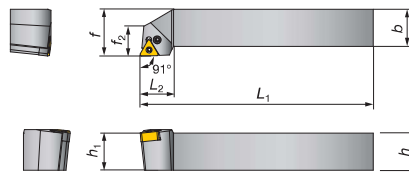
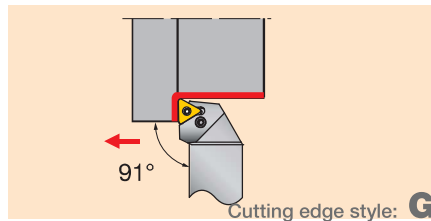
4

TAC External Toolholders

PTGNR/L

Applicable inserts
TN□□32

Negative rake
Lever lock system



Right hand (R) shown.

*Recommend clamping torque: TN□□33: 3.0 N·m, TN□□43: 4.0 N·m

Inch Holder	Stock		Dimensions (in)							Std. Corner r _ε	Applicable inserts	Torque (N·m)
	R	L	h	b	L ₁	L ₂	h ₁	f	f ₂			
PTGNR/L1223	●	●	0.750	0.750	4.500	0.750	0.750	1.000	0.625	0.031	TN□□32□□	2.0
PTGNR/L1623	●	●	1.000	1.000	6.000	0.750	1.000	1.250	0.875			

Basic Selection Chipbreakers TN□□33□□-□□

P Steel	Operation	Precision finishing	Finishing	Finishing to medium cutting	Medium cutting
	Grade	NS9530	GT9530	T9115	T9115
Page	2-71	2-72	2-75	2-75	
Chipbreaker	TF	TSF	TM	AR	
Vc (SFM)	(400-800)	(400-900)	(400-900)	(400-900)	
ap (in)	(.001-.020)	(.010-.060)	(.020-.180)	(.100-.220)	
f (in/rev)	(.001-.008)	(.003-.010)	(.008-.016)	(.008-.016)	
r _ε (in)	.016	.016	.032	.047	

M Stainless	Operation	Finishing	Finishing to medium cutting	Medium cutting
	Grade	T6120	T6130	T6130
Page	2-72	2-75	2-78	
Chipbreaker	SS	SM	TRS	
Vc (SFM)	(300-550)	(250-400)	(250-400)	
ap (in)	(.010-.040)	(.010-.150)	(.100-.220)	
f (in/rev)	(.001-.008)	(.003-.012)	(.008-.016)	
r _ε (in)	.016	.032	.047	

K Cast Iron	Operation	Precision finishing	Finishing	Finishing to medium cutting	Medium cutting
	Grade	BX930	T5115	T5115	T5115
Page	3-8	2-73	2-76	2-78	
Chipbreaker	T-CBN	CF	CM	CH	
Vc (SFM)	(300-1200)	(450-1300)	(400-1300)	(450-1300)	
ap (in)	(.001-.020)	(.010-.040)	(.020-.180)	(.040-.230)	
f (in/rev)	(.001-.006)	(.001-.006)	(.006-.012)	(.008-.020)	
r _ε (in)	.016	.016	.032	.047	

N Non-ferrous	Operation	Precision finishing	Finishing	Finishing to medium cutting
	Grade	DX120	GH110	GH110
Page	3-23	2-71	2-78	
Chipbreaker	T-DIA With chipbreaker	O1	P	
Vc (SFM)	(1500-4000)	(400-3000)	(400-3000)	
ap (in)	(.001-.025)	(.001-.025)	(.010-.150)	
f (in/rev)	(.001-.006)	(.001-.008)	(.008-.016)	
r _ε (in)	.016	.016	.032	

S Superalloys	Operation	Precision finishing	Finishing	Finishing to medium cutting	Medium cutting
	Grade	BX470	AH120	AH905	AH120
Page	3-8	2-72	2-76	2-77	
Chipbreaker	T-CBN	SS	HMM	SA	
Vc (SFM)	(300-800)	(100-300)	(120-350)	(120-300)	
ap (in)	(.003-.008)	(.010-.040)	(.010-.040)	(.040-.157)	
f (in/rev)	(.001-.006)	(.001-.008)	(.004-.010)	(.008-.016)	
r _ε (in)	.016	.016	.032	.032	

H Hard Materials	Operation	Precision finishing	Finishing
	Grade	BXM10	BXM20
Page	3-8	3-8	
Chipbreaker	T-CBN	T-CBN	
Vc (SFM)	(800-900)	(400-800)	
ap (in)	(.001-.010)	(.001-.010)	
f (in/rev)	(.001-.006)	(.001-.006)	
r _ε (in)	.016	.016	

For other machining types, see "Selection System" > 2-4

● : Stocked items.
○ : Stocked in Japan